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US EPA RECORDS CENTER REGION 5



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Mr. H. L. Finch - St. Louis Park

Indianapolis

F. J. Moets

May 14, 1963

ST. LOUIS PARK LABORATORY - ANALYTICAL BALANCE

Mr. Danz's letter of April 16 to Mr. Leshar indicates that he believes the analytical balance in the laboratory is perhaps fifty years old. I believe that the usefulness of a balance that age is well past, and to be sure that we are weighing properly and the sensitivity is what we would like to have, it is perhaps prudent to obtain a new balance. You can look in your catalogs and select the one you can obtain in your area. We suggest a general type, features and price approximately as follows. A Christian Becker Type AB-1 listed in the 1961 Sargent Catalog at \$386.00. It has two pans chainomatic, magnetic damping, 200 gram capacity, 1/10 to 1/20 milligram sensitivity.

We are still having problems with the fixed carbon of the beta resins. We have pinpointed this problem to the coking value of the anthracene insoluble. I believe if Mr. Danz will look over the data, he will find that they can check reasonably well on the amount of anthracene insoluble from test to test, but the coking value of this anthracene insoluble is quite variable. Therefore, this affects the fixed carbon of beta resins. We are still trying to find an answer to St. Louis Park's failure to meet the 90%.

The part that the analytical balance plays in this is, that we are weighing small quantities and a poor sensitivity of the balance may give us a difference of even 10 milligrams, which would change the fixed carbon of the beta resins appreciably.

Very truly yours,

F. J. Moets

FJM/bb

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